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Job No.: CTCE/BBMP/W No.11/SMV/CEMENT/2015-16 Date: 01.07.2015

TEST REPORT

CLIENT	:	**Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
AGENCY	:	**Mr. S.M. Varadarajappa,** Contractor, Bangalore.
NAME OF THE WORK	:	Construction 1st Floor Jimnishiam and Library Building in existing Community Centre at Singapura in Ward No. 11, Vidyaranyapura Sub Division, BBMP, Bangalore.
REFERENCE	:	AEE/BBMP/VSD/PR/345/1/2013-14
SAMPLE ID	:	CEMENT
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	a) Initial Setting Time	IS-4031 (Part -5)	165 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	480 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	27.00 %	-

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Job No.: CTCE/BBMP/W No.11/SMV/SAND/2015-16 : 01.07.2015

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

Agency : **Mr. S.M. Varadarajappa,** Contractor, Bangalore.

Name of Work : Construction 1st Floor Jimnishiam and Library Building in existing Community Centre at Singapura in Ward No. 11, Vidyaranyapura Sub Division, BBMP, Bangalore.

Reference : AEE/BBMP/VSD/PR/345/1/2013-14

Date of Testing : 01.07.2015

Material : Sand

Total Wt. of Aggregates in gms **2000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	92	4.60	4.60	95.4	90-100
2.36	246	12.30	16.90	83.1	75-100
1.18	387	19.35	36.25	63.8	55-90
600 Micron	498	24.90	61.15	38.9	35-59
300 Micron	562	28.10	89.25	10.8	8-30
150 Micron	151	7.55	96.80	3.2	0-10

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Job No.: CTCE/BBMP/W No.11/SMV/AGG/2015-16 : 01.07.2015

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

Agency : **Mr. S.M. Varadarajappa,** Contractor, Bangalore.

Name of Work : Construction 1st Floor Jimnishiam and Library Building in existing Community Centre at Singapura in Ward No. 11, Vidyaranyapura Sub Division, BBMP, Bangalore.

Reference : AEE/BBMP/VSD/PR/345/1/2013-14

Date of Testing : 01.07.2015

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Tabel - 1

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	154	3.08	3.1	96.92	95-100
10	3257	65.14	68.2	31.78	25-55
4.75	1362	27.24	95.5	4.54	0-10

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Job No.: CTCE/BBMP/W No.11/SMV/STEEL/2015-16 01.07.2015

TEST REPORT ON REINFORCEMENT STEEL

Client	:	**Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
Agency	:	**Mr. S.M. Varadarajappa**, Contractor, Bangalore.
Name of the Work	:	Construction 1st Floor Jimnishiam and Library Building in existing Community Centre at Singapura in Ward No. 11, Vidyaranyapura Sub Division, BBMP, Bangalore.
Reference	:	AEE/BBMP/VSD/PR/345/1/2013-14
Date of Test	:	01.07.2015
Technical Reference	:	IS: 1786-2008

Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm^2	Tensile strength (Ultimate stress) N/mm^2	Elongation percent gauge length		
1	10	0.62	514	548	12.75	O.K	O.K

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Job No.: CTCE/BBMP/W No.11/SMV/STEEL/2015-16 01.07.2015

TEST REPORT ON REINFORCEMENT STEEL

Client	:	**Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
Agency	:	**Mr. S.M. Varadarajappa**, Contractor, Bangalore.
Name of the Work	:	Construction 1st Floor Jimnishiam and Library Building in existing Community Centre at Singapura in Ward No. 11, Vidyaranyapura Sub Division, BBMP, Bangalore.
Reference	:	AEE/BBMP/VSD/PR/345/1/2013-14
Date of Test	:	01.07.2015
Technical Reference	:	IS: 1786-2008

Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm^2	Tensile strength (Ultimate stress) N/mm^2	Elongation percent gauge length		
1	12	0.89	519	551	12.95	O.K	O.K

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Job No.: CTCE/BBMP/W No.11/SMV/CC Blocks/2015-16 03.07.2015

TEST REPORT ON CEMENT CONCRETE BLOCKS

Client : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

Agency : **Mr. S.M. Varadarajappa**, Contractor, Bangalore.

Name of the Work : Construction 1st Floor Jimnishiam and Library Building in existing Community Centre at Singapura in Ward No. 11, Vidyaranyapura Sub Division, BBMP, Bangalore.

Reference : AEE/BBMP/VSD/PR/345/1/2013-14

Size of Block : 400 x 200 x 200 mm

Cross Sectional Area : 80000 mm^2

Technical Reference : IS: 2185 (Part 1) - 2005

No. of Blocks Tested : 03

Sl.No.	Date of Sampling	Date of testing	Failure load (KN)	Compressive strength	Minimum Compressive Strength of Individual Units
			kN	N/mm^2	N/mm^2
1	01.07.2015	03.07.2015	260.7	3.26	
2	01.07.2015	03.07.2015	262.9	3.29	3.2
3	01.07.2015	03.07.2015	264.5	3.31	

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Job No.: CTCE/BBMP/W No.11/SMV/CUBE/2015-16 29.08.2015

TEST REPORT ON CONCRETE CUBES

Client : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

Agency : **Mr. S.M. Varadarajappa,** Contractor, Bangalore.

Name of the work : Construction 1st Floor Jimnishiam and Library Building in existing Community Centre at Singapura in Ward No. 11, Vidyaranyapura Sub Division, BBMP, Bangalore.

Reference : AEE/BBMP/VSD/PR/345/1/2013-14

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28^{th} day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.08.2015	29.08.2015	8.145	476.8	21.19
2	01.08.2015	29.08.2015	8.267	494.6	21.98
3	01.08.2015	29.08.2015	8.352	513.4	22.82

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